

# DOC. 4a: Bibliographic Control of Web Resources: A Library of Congress Action Plan (As of Oct. 8, 2001)

**\*\*Those items with proposed PCC involvement are highlighted\*\***

## 1 Increase the availability of standard records for selected electronic resources.

### 1.1 Develop a plan to increase the creation and availability of standard records for electronic resources to include authority control and subject analysis.

Lead: Director for Cataloging

Principal Investigator:

**Potential Collaborators:** CORC; **PCC BIBCO/CONSER**; RLG; ARL; ALCTS.

Priority: Near-term/High                      Related Action Items: 2.2

### 1.2 Explore ways to re-purpose/reuse metadata received under programs for registration, acquisitions, cataloging, copyright, and related activities.

Lead: Director for Cataloging

Principal Investigator:

**Potential Collaborators:** LC CIP Division, NDMSO (NDMSO), NSDP and LS Copyright Office Business Process Reengineering team; CORC; Editeur (ONIX). Possible intersects: LC's Metadata Policy Group; Standards bodies; Harry Fox Agency.

Priority: Near-term/High                      Related Action Items: NA

### 1.3 Compile/review/disseminate selection criteria for electronic resources to supplement traditional selection criteria (e.g., authorship, content, provenance, accuracy, relevance to institutional mission, and subject matter) used by libraries, archives and museums. Supplemental criteria include: design, use, timeliness, permanence, quality of links to other sites, value-added utility beyond print version, originating domain, downloading capability, uniqueness, reverse links, etc.

Lead:

Principal Investigator:

**Potential Collaborators:** LC Collection Policy Committee and Collaborative Digital Reference Service; CORC/OCLC; RLG; ARL; RUSA; ALCTS TF (CMDS). Possible intersects: LC's Universal Holdings Policy Group; Digital Library Federation.

Priority: Near-term/Medium                      Related Action Items: 4.4

### 1.4 Design mechanisms to archive and provide access to selected electronic government

publications through partnerships with government agencies and/or academic institutions.

Lead: NARA?

Principal Investigator:

Potential Collaborators: LC Collection Policy Committee, Acquisitions Directorate and Information Technology Services; Big Heads; ARL; ALCTS; GODORT; NARA; GPO; OCLC; National Library of Australia. Potential intersects: CDNL; National Library of Canada; Royal Library of Sweden.

Priority: Near-term/Medium      Related Action Items: NA

## **2 Enhance the access to and display of records for selected Web resources across multiple systems.**

2.1 Define requirements for a common interface for searching, retrieving, and sorting across a range of discovery tools, such as: abstracting and indexing services; other content databases; and other catalogs. Communicate the requirements to the vendor community and encourage their adoption. Consider adopting protocols and profiles, e.g., Z39.50 authority profiles, and identifying best practices and guidelines for indexing.

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC NDMSO and Metadata Policy Group; CNI; NISO; ALCTS TF (Catalog Form & Function); LITA; Vendors (e.g., SeaChange, Endeavor); RLG; ExLibris. Possible intersects: ARL; Humbul.

Priority: Long-term/High      Related Action Items: NA

### **2.2 Promote the international sharing of authority records/files starting with names (personal, corporate, geographic) and uniform titles, utilizing various models.**

Lead: LC CPSO

Principal Investigator:

Potential Collaborators: IFLA Working Group on Functional Requirements and Numbering of Authority Records (FRANAR); **PCC Standing Committee on Automation**; Vendors; MARBI; OCLC; RLG; ALCTS TF (SAC and CC:DA).

Priority: Long-term/High      Related Action Items: 1.1, 3.7

2.3 Explore ways to enrich metadata records by focusing on providing additional subject and other access mechanisms (e.g., front-end user thesauri) and increasing granularity of access and display (e.g., by enabling progression through hierarchy and versions and by additional description information including summaries).

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: ALCTS TF (SAC Subcommittee on Metadata and Subject

Analysis; RUSA; OCLC; RLG; Metadata providers; Web design groups. Possible intersect: LC Metadata Policy Group.

Priority: Long-term/High

Related Action Items: 6.2

**2.4 Define functional requirements for systems that can manage separate records for related manifestations at the global level and consolidate them for display at the local level. Communicate the requirements to the vendor community and encourage their adoption.**

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC NDMSO and Repository Team; Vendors; Big Heads; JSC; LITA; ARL; ALCTS; OCLC; RLG. Possible intersect: **PCC Standing Committee on Automation**; National Library of Finland.

Priority: Near-term/High

Related Action Items: 3.3, 3.4, 3.5

**2.5 Investigate making Library of Congress Classification and LCSH available at no cost on the Internet.**

Lead: LC CDS

Principal Investigator:

Potential Collaborators: LC Cataloging Distribution Service.

Priority: Near-term/Medium

Related Action Items: NA

**3 Work collaboratively with metadata standards communities to improve bibliographic control of selected Web resources.**

**3.1 Develop and disseminate a widely-understandable paper that sets forth library principles for data content and structure for use by the metadata community. Disseminate it to the metadata community and encourage its use.**

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC Cataloging Policy & Support Office (CPSO) and Metadata Policy Group, ARL, ALCTS TF (CC:DA); IFLA Section on Cataloguing; MARBI. Possible intersect: National Library of Australia.

Priority: Near-term/High

Related Action Items: NA

**3.2 Identify and publicize existing registries of metadata schemes to establish points of convergence among them, to promote the consistent labeling of fields, and to facilitate mapping of fields.**

Lead: LC NDMSO

Principal Investigator:

Potential Collaborators: LC NDMSO, CPSO, and Copyright Office; JSC; ALA; ALCTSTF (SAC); Metadata community; IFLA Section on Cataloguing Metadata Working Group; **PCC Standing Committee on Training.**

Priority: Near-term/High                      Related Action Items: NA

**3.3 Describe how AACR2 and MARC21 provide for explicit linking from a record to the resource; from record to record for related resource (bibliographic relationships); and from record for one manifestation to a record for another manifestation.**

Lead: LC CPSO/NDMSO

Principal Investigator:

Potential Collaborators: LC CPSO and NDMSO; ALCTS TF (CC:DA); **PCC Committee on Standards.**

Priority: Near-term/High                      Related Action Items: 2.4, 3.4, 3.5, 3.6, 6.5

**3.4 Enhance MARC 21 to support display of hierarchical relationships among records for a work, its expressions and its manifestations (based on the IFLA Functional Requirements for Bibliographic Records (FRBR)).**

Lead: LC NDMSO

Principal Investigator: Tom Delsey

Potential Collaborators: LC NDMSO; MARBI; OCLC; RLG; System vendors.

Priority: Long-term/High                      Related Action Items: 2.4, 3.3, 3.5

**3.5 Prepare guidelines for deciding when to create separate bibliographic records and when to create a single record for manifestations of an expression. Test these guidelines against AACR2, and if appropriate, propose changes to AACR2.**

Lead:

Principal Investigator:

Potential Collaborators: JSC; **PCC Standing Committee on Training; CONSER;** Big Heads; ALCTS CC:DA.

Priority: Near-term/High                      Related Action Items: 2.4, 3.3, 3.4, 3.6, 6.5

**3.6 Convey and reiterate the need for the continuing development of AACR2 to provide principles and practices for bibliographic access to and control of the full array of electronic resources on a timely basis and in harmony with other descriptive cataloging standards.**

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: JSC; LC CPSO; AACR Publishers; Committee of Principals.

Priority: Near-term/High

Related Action Items: 3.3, 3.5, 6.5

- 3.7 Evaluate feasibility of assigning a persistent identifier or a naming system on an international scale. Develop and promote guidelines for shared resolving system.

Lead: LC NDMSO

Principal Investigator:

Potential Collaborators: IFLA FRANAR; LC NDMSO, CPSO, Copyright Office, and National Digital Library; Conference of Directors of National Libraries Digital Issues Group; JSC; MARBI; NISO; OCLC; RLG; System vendors; Content providers; National Library of Australia; KB Netherlands.

Priority: Long-term/High

Related Action Items: 2.2

#### **4 Develop automated tools for extracting, creating, harvesting, and maintaining metadata to improve bibliographic control of selected Web resources.**

- 4.1 **Develop specifications for the creation and maintenance of records for titles contained in aggregations that will enable individual aggregators to produce record sets. In addition to creation of original records, aggregators must be able to detect and maintain changes to bibliographic data for continuing resources and to notify libraries when titles are added or dropped from the aggregation. Communicate the specifications to the aggregator vendor community and encourage their adoption.**

Lead:

Principal Investigator:

**Potential Collaborators:** LC NDMSO; **PCC Standing Committee on Automation;** OCLC; RLG; Vendors; Publishers; ARL.

Priority: Near-term/High

Related Action Items: NA

4.2 Develop specifications for a tool that will enable libraries to extract metadata from Web-based resources in order to create catalog records and that will detect and report changes in resource content and bibliographic data in order to maintain those records. Communicate the specifications to the vendor community and encourage their adoption

Lead:

Principal Investigator:

Potential Collaborators: LC NDMSO; OCLC; RLG; Vendors; Publishers; ARL.

Priority: Near-term/High

Related Action Items: NA

- 4.3 Develop specifications for a metadata creation tool for authors that can support various metadata standards. Communicate the specifications to the metadata

community and encourage their adoption.

Lead: LC Cat/NDMSO & OCLC

Principal Investigator:

Potential Collaborators: LC NDMSO; OCLC/Dublin Core Metadata Initiative; ARL; NISO; ALCTS. Possible intersect: W3C.

Priority: Long-term/Medium      Related Action Items: NA

- 4.4 Develop specifications for a resource selection, evaluation and user feedback tool. Communicate the specifications to the vendor community and encourage their adoption.

Lead:

Principal Investigator:

Potential Collaborators: ARL; RUSA; ALCTS; LITA; Vendors; OCLC; RLG.

Priority: Near-term/Medium      Related Action Items: 1.3

- 4.5 Promote standards for harvesting metadata.

Lead: LC NDMSO

Principal Investigator:

Potential Collaborators: LC NDMSO; ARL; OAI; RLG; ALCTS. Possible intersect: LC Metadata Policy Group.

Priority: Near-term/High      Related Action Items: NA

## **5 Provide appropriate training/continuing education to improve bibliographic control of selected Web resources.**

- 5.1 Address educational needs through improved curricula in library and information science schools and through continuing education for cataloging practitioners by: promoting consensus on determination of "Core Competencies;" devising training in the two areas of "Mind set and values" and "Managing operations;" developing Toolkits; and identifying other mechanisms to meet these needs.**

Lead:

Principal Investigator:

Potential Collaborators: LC Library Services Office and Technical Processing & Automation Instruction Office; Library schools; **PCC Standing Committee on Training**; ARL; ALCTS TF (Ed.); ALISE; CIO Core Competencies Group. Possible intersect: **PCC Standing Committee on Automation.**

**Priority:** Near-term/High      **Related Action Items:** NA

**Status:**

- 5.2 Sponsor a series of open forums on metadata needs to support reference service in conjunction with various professional association meetings to**

**include catalogers, reference librarians, vendors, systems developers, publishers, and administrators.**

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC Cataloging and Public Service Collections Directors; RUSA; **PCC Standing Committee on Training.**

Priority: Near-term/High                      Related Action Items: NA

**5.3 Promote the use and understanding of standards for describing Web resources through education, targeted outreach, etc.**

Lead:

Principal Investigator:

Potential Collaborators: LC NDMSO and Cataloging Distribution Service; **PCC Standing Committee on Training**; OCLC; RLG; ALCTS TF (Education); ARL; ALISE.

Priority: Long-term/High                      Related Action Items: NA

**6 Support research and development on emerging metadata standards and address the challenges of interoperability to improve bibliographic control of selected Web resources.**

**6.1 Support relevant Library of Congress research and development on digital initiatives.**

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC Bibliographic Enrichment Advisory Team and Metadata Policy Group

**Priority:** Long-term/Medium                      **Related Action Items:** NA

**6.2 Research user needs and approaches in accessing the catalog and other discovery tools in a networked environment to develop user tools for customization.**

Lead:

Principal Investigator:

Potential Collaborators: LC Public Service Collections Directorate and Metadata Policy Group; ARL; RUSA; OCLC; RLG

Priority: Long-term/Low                      Related Action Items: 2.3

**6.3 Support research and development to improve controlled vocabulary mediating tools, including a simplified LCSH.**

Lead: LC Cat/OCLC

Principal Investigator:

Potential Collaborators: LC NDMSO, CPSO, Bibliographic Enrichment Advisory Team, and Cataloging Distribution Service; OCLC; RLG; **PCC Standing Committees on Automation and Standards**; Vendors; ALCTS

Priority: Long-term/Medium      Related Action Items: NA

- 6.4 Support research and development on the changing nature of the catalog to include consideration of a framework for its integration with other discovery tools.

Lead:

Principal Investigator:

Potential Collaborators: LC Metadata Policy Group; ALCTS; Metadata providers; Library schools; Vendors; ARL; Human/computer user interface community (e.g., Endeavor)

Priority: Long-term/High      Related Action Items: NA

- 6.5 Conduct research on how AACR2 might incorporate greater "event awareness" into the catalog.

Lead: Director for Cataloging

Principal Investigator:

Potential Collaborators: LC CPSO; JSC

Priority: Long-term/High      Related Action Items: 3.3, 3.5, 3.6